

FEDERAL ITEM IDENTIFICATION GUIDE

ANTENNA PARTS

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Table of Contents

GENERAL INFORMATION	1
Index of Master Requirement Codes	5
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG	7
APPLICABILITY KEY INDEX	10
SECTION I	12
SECTION III.....	25
Reply Tables	31
Reference Drawing Groups.....	45
Technical Data Tables.....	52
FIIG Change List	66

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

FIIG A120
GENERAL INFORMATION

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

FIIG A120
GENERAL INFORMATION

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode</u>	<u>Requirement</u>	<u>Example</u>
<u>Code</u>			
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

FIIG A120
GENERAL INFORMATION
SECTION I/III REQUIREMENTS INDEX

Index of Master Requirement Codes

NAME.....	12
MATL.....	12
SURF	12
ADJH	12
AKPV.....	13
ACHY	13
ABTB.....	13
ABVG	14
ABTD.....	14
AGTQ	15
ADAG.....	15
THDS	16
AAJD	16
CTTC	17
ALAQ	17
AGTF.....	18
AEJN.....	18
AGTA	19
STYL	19
MARK	19
RADC	19
FEAT	20
TEST	20
SPCL.....	21
ZZZK	21
ZZZT	22
ZZZW	22
ZZZX	23
ZZZY	23
CRTL	23
PRPY	24
ELRN	24
NHCF.....	25
ELCD	25
AFJP.....	26
AFJK.....	26
AKYN.....	26
RADD	27
PRMT.....	27
PMWT	27
PMLC.....	28

FIIG A120
GENERAL INFORMATION
SECTION I/III REQUIREMENTS INDEX

AGAV	29
SUPP	29
ZZZP	29
ZZZV	29
CXCY	30

FIIG A120
GENERAL INFORMATION
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
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Base

1. (Electrical-Mechanical) A structural foundation upon which an item is to be mounted and supported. The base is an integral part of the item for which it is a foundation, and may be designed for the purpose of damping shock and/or vibration. It may or may not include associated hardware to secure the item to the base.

BASE (1), ANTENNA SUPPORT	02843	A
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BASE (1), MAST	02849	A
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CORONA BALL	00761	B
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A globular or spherical shaped electrically conductive body used to prevent corona discharge.

CRADLE, ANTENNA MAST	02861	A
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A support or frame which is shaped to conform generally to the contour of an antenna mast and which is used to hold the mast when not in use.

CRADLE, ANTENNA REFLECTOR	02862	A
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A support or frame which is shaped to conform generally to the contour of an antenna reflector, and which is used to hold an antenna reflector when not in use.

FAIRLEAD, ANTENNA	00488	A
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An item consisting mainly of a plastic, wood, or metallic tube with a funnel shaped end through which a trailing antenna is reeled.

FRAME, MOUNTING, ANTENNA COVER	23816	C
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A frame-like item of varied shape(s) provided with holes or other means for holding a COVER, ANTENNA in place. Excludes PLATE, MOUNTING, ANTENNA COVER.

HANDLE, ANTENNA	60567	C
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An item which is the gripping portion of a hand-held ANTENNA. It is shaped to be grasped during use and contains provisions for mounting or inclosing a portion of the coaxial cable and connections.

LOADING DISK, ANTENNA	02453	C
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An item of conductive material, usually of circular or cylindrical shape, designed to be affixed to the top of a vertical antenna to increase its natural wave length.

FIIG A120
GENERAL INFORMATION
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
PLATE, ANTENNA MAST	02458	C
An item which is rigid or semirigid, flat and generally smooth. Its thickness is small in comparison to both its length and width, and it is so designed as to be used with an antenna mast.		
PLATE, MOUNTING, ANTENNA COUPLER	02464	C
An item that is rigid, flat, and generally smooth, the thickness of which is small in comparison to its length and width, and which is designed for mounting an antenna coupler.		
PLATE, MOUNTING, ANTENNA COVER	02465	C
An item which is rigid, flat, and generally smooth. Its thickness is small in comparison to its length and width, and is designed for mounting an antenna cover.		
REFLECTOR, ANTENNA	00244	D
An object placed at a distance from a source of radiation, and designed to change the direction of incident radiation without appreciable transmission through it. It is used with an antenna. See also ANTENNA ELEMENT.		
REFLECTOR SECTION, ANTENNA	02471	C
An item which is one of the mechanically similar and complementary parts which together form an antenna reflector.		
SLEEVE, ANTENNA SUPPORT	02483	C
A cylinder whose ratio of axial length to the outside diameter is four to one or greater, and which is used with an antenna support.		
STOP, ANTENNA	00852	E
An item designed to check the movement or action of an antenna. Do not use if a more specific item name appears in this index.		
SUPPORT, ANTENNA	02487	C
An item which consists of a mechanical or structural part designed to overcome the force of gravity, but is not intended to be the principal sustaining member of an antenna.		
SUPPORT, ANTENNA HORN	02488	C
An item which consists of a mechanical or structural part designed to overcome the force of gravity, but is not intended to be the principal sustaining member of an antenna horn.		
SUPPORT, ANTENNA REFLECTOR	02489	C
An item which consists of a mechanical or structural part designed to overcome the force of gravity, but is not intended to be the principal sustaining member of an antenna reflector.		

FIIG A120
GENERAL INFORMATION
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
SUPPORT RING, ANTENNA	02495	C
<p>An item, circular in design, and consisting of two bearing surfaces and antifriction bearings specifically designed to provide facilities for imparting rotational motion to an antenna mounted on it. It may include items such as synchros, limit switches, and contactors.</p>		
TIE ROD, ANTENNA SUPPORT	16135	A
<p>An item long in relation to its cross section, that connects and maintains relative position between two antenna supports. It is not intended to overcome the force of gravity. The ends are usually processed to provide mounting facilities. May include mounting hardware.</p>		
WEIGHT, WIRE ANTENNA	16133	A
<p>An item designed to facilitate the unreeling of a wire antenna.</p>		

FIIG A120
GENERAL INFORMATION
APPLICABILITY KEY INDEX

APPLICABILITY KEY INDEX

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
NAME	X	X	X	X	X
MATL	X	X	X	X	X
SURF	AR	AR	AR	AR	AR
ADJH	AR	AR	AR	AR	AR
AKPV	AR	AR	AR	AR	AR
ACHY	AR	AR	AR	AR	AR
ABTB	AR	AR	AR	AR	AR
ABVG	AR	AR	AR	AR	AR
ABTD	AR	AR	AR	AR	AR
AGTQ	AR	AR	AR	AR	AR
ADAG	AR	AR	AR	AR	AR
THDS	AR	AR	AR	AR	AR
AAJD	AR	AR	AR	AR	AR
CTTC	AR	AR	AR	AR	AR
ALAQ	AR	AR	AR	AR	AR
AGTF	AR	AR	AR	AR	AR
AEJN	AR	AR	AR	AR	AR
AGTA	X	X	X		X
AAZK	AR	AR	AR	AR	AR
ABFY	AR	AR	AR	AR	AR
ABHP	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR
ABMZ	AR	AR	AR	AR	AR
ABPH	AR	AR	AR	AR	AR
ABPJ	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR
AFZU	AR	AR	AR	AR	AR
HGTH	AR	AR	AR	AR	AR
STYL			X		
AAZK	AR	AR	AR	AR	AR
ABFY	AR	AR	AR	AR	AR
ABHP	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR
ABMZ	AR	AR	AR	AR	AR
ABPH	AR	AR	AR	AR	AR
ABPJ	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR
AFZU	AR	AR	AR	AR	AR
HGTH	AR	AR	AR	AR	AR
MARK	AR	AR	AR	AR	AR
RADC	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR

FIIG A120
GENERAL INFORMATION
APPLICABILITY KEY INDEX

ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
AFJP	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR
AKYN	AR	AR	AR	AR	AR
RADD	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
			Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.
			Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED02849*)
ALL			
	MATL	D	MATERIAL
			Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.
			Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDAL0000*; MATLDAL0000\$\$DALA000\$DBN0000*)
ALL*			
	SURF	D	SURFACE TREATMENT
			Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.
			Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDPN0000*; SURFDAN0000\$\$DANA000\$DCN0000*)
ALL*			
	ADJH	D	MOUNTING METHOD
			Definition: THE MEANS OF ATTACHING THE ITEM.
			Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., ADJHDBU*; ADJHDAB\$\$DAD*; ADJHDAB\$DAD*)
ALL*			

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
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AKPV A MOUNTING FACILITY QUANTITY

Definition: THE NUMBER OF MOUNTING FACILITIES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AKPVA2*)

NOTE FOR MRC ACHY: REPLY TO THIS MRC, IF REPLY CODE BR OR BU WAS ENTERED FOR MRC ADJH.

ALL* (See Note Above)

ACHY D MOUNTING HOLE TYPE

Definition: INDICATES THE TYPE OF HOLE(S) PROVIDED IN THE ITEM TO FACILITATE MOUNTING TO ANOTHER ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACHYDA*; ACHYDA\$\$DB*; ACHYDA\$DB*)

When type of hole is not specified, enter Reply Code C. (e.g., ACHYDC*)

<u>REPLY CODE</u>	<u>REPLY (AB68)</u>
A	COUNTERBORED
B	COUNTERSUNK
C	PLAIN

NOTE FOR MRC ABTB: REPLY TO THIS MRC, IF REPLY CODE BU WAS ENTERED FOR MRC ADJH.

ALL* (See Note Above)

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.032*; ABTBJLA25.4*; ABTBJAB0.250\$\$JAC0.275*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
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Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

NOTE FOR MRCS ABVG AND ABTD: REPLY TO THESE MRCS, IF REPLY CODE FB WAS ENTERED FOR MRC ADJH.

ALL* (See Note Above)

ABVG J MOUNTING SLOT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE MOUNTING SLOT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABVGJAA0.500*; ABVGJLA25.4*; ABVGJAB0.500\$\$JAC0.525*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABVG)

ABTD J MOUNTING SLOT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE MOUNTING SLOT, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTDJAA0.250*; ABTDJLA25.4*; ABTDJAB0.250\$\$JAC0.275*)

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
<u>Table 1</u>			
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
<u>Table 2</u>			
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

NOTE FOR MRC AGTQ: REPLY TO THIS MRC, IF REPLY CODE FA IS ENTERED FOR MRC ADJH.

ALL* (See Note Above)

AGTQ J UNTHREADED MOUNTING STUD DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE UNTHREADED MOUNTING STUD, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGTQJAA0.250*; AGTQJLA25.4*; AGTQJAB0.250\$\$JAC0.275*)

		<u>Table 1</u>
		<u>REPLY CODE</u>
		A <u>REPLY (AA05)</u>
		L INCHES

		<u>Table 2</u>
		<u>REPLY CODE</u>
		A <u>REPLY (AC20)</u>
		B NOMINAL
		C MINIMUM

NOTE FOR MRC ADAG: REPLY TO THIS MRC, IF REPLY CODE BT OR FA IS ENTERED FOR MRC ADJH.

ALL* (See Note Above)

ADAG J MOUNTING STUD LENGTH

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
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Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE MOUNTING STUD, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAGJAA0.625*; ADAGJLA25.4*; ADAGJAB0.625\$\$JAC0.675*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

NOTE FOR MRCS THDS, AAJD AND CTTC: IF REPLY CODE BR, BT, OR FC IS ENTERED FOR MRC ADJH, REPLY TO MRC THDS AND AAJD OR CTTC AS APPLICABLE.

ALL* (See Note Above)

THDS	J	THREAD SIZE AND SERIES/TYPE DESIGNATOR
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Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the Reply Code for the applicable screw thread series from [Appendix A](#), Table 4, followed by the nominal diameter size, a dash, and the quantity of threads per specific measurement scale. (See Appendix C, Table 2.)

(e.g., THDSJNF8-32*)

If in the metric system of thread designation, enter the code for the applicable metric screw thread series, i.e., SS or SM, as applicable, followed by the diameter, an X, and the pitch. (e.g., THDSJSS0.8X0.125*)

ALL* (See Note Preceding MRC THDS)

AAJD	A	THREAD CLASS
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FIIG A120
SECTION I

APP Key	Mode Code	Requirements
Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.		
Reply Instructions: Enter the thread class. (e.g., AAJDA2A*)		
When the source document specifies a maximum and minimum pitch diameter identical to or within the limits of a standard class of thread, reply with the standard class of thread.		
ALL*	(See Note Preceding MRC THDS)	
CTTC	J	THREAD TOLERANCE CLASS
Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING ESTABLISHED PITCH AND CREST DIAMETER TOLERANCE POSITION AND GRADE.		
Reply Instructions: Enter the applicable Reply Code from the table below, followed by the designator. (e.g., CTTCJNTE4H*; CTTCJEXT6H\$\$JNTE6G*)		
	<u>REPLY CODE</u>	<u>REPLY (AN73)</u>
	EXT	EXTERNAL
	NTE	INTERNAL
ALL*		
ALAQ	J	MOUNTING FACILITY CIRCLE RADIUS
Definition: THE RADIUS OF THE CIRCLE IN WHICH THE MOUNTING FACILITIES OF AN ITEM ARE LOCATED.		
Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALAQJAA2.000*; ALAQJLA150.0*; ALAQJAB2.000\$\$JAC2.125*)		
<u>Table 1</u>		
	<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
	A	INCHES
	L	MILLIMETERS
<u>Table 2</u>		
	<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
	A	NOMINAL
	B	MINIMUM
	C	MAXIMUM

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
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ALL*

AGTF B ANGLE BETWEEN ADJACENT MOUNTING FACILITIES IN DEG

Definition: THE ANGLE BETWEEN ADJACENT MOUNTING FACILITIES, EXPRESSED IN DEGREES.

Reply Instructions: When holes/studs are not evenly spaced, use AND coding (\$\$) entering in descending sequence. (e.g., AGTFB45.0\$\$B30.0*)

ALL*

AEJN J DISTANCE BETWEEN MOUNTING FACILITY CENTERS

Definition: THE DISTANCE BETWEEN THE MOUNTING FACILITY CENTERS.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AEJN1XJAA1.875*; AEJN1XJLA25.4*; AEJN1AJAB1.375\$\$JAC1.380*; AEJN1BJAA2.50000*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (0082)</u>
1X	SINGLE MOUNTING FACILITY
1A	1ST MOUNTING FACILITY
1B	2ND MOUNTING FACILITY
1C	3RD MOUNTING FACILITY
1D	4TH MOUNTING FACILITY

Table 2

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILIMETERS

Table 3

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
<hr/>			
A, B, C, E			
<p>AGTA L BASIC SHAPE STYLE</p>			
<p>Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE BASIC APPEARANCE OF THE ITEM.</p>			
<p>Reply Instructions: Enter the applicable Reply Code from Appendix B, Reference Drawing Group A. (e.g., AGTAL1A*)</p>			
D			
STYL L			STYLE DESIGNATOR
<p>Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.</p>			
<p>Reply Instructions: Enter the applicable style designator from Appendix B, Reference Drawing Group B. (e.g., STYLL2B*)</p>			
ALL*			
MARK G			SPECIAL MARKINGS
<p>Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.</p>			
<p>Reply Instructions: Enter all the special markings in clear text. (e.g., MARKG66F IN RAISED LETTERS*)</p>			
<p>NOTE FOR MRC RADC: IF THIS MRC IS ANSWERED, A REPLY TO MRC RADD IN SECTION III IS MANDATORY.</p>			
ALL* (See Note Above)			
RADC D			RADIOACTIVE CONTENT
<p>Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS.</p>			
<p>Reply Instructions: Enter the Reply Code from the table below. (e.g., RADCDP*)</p>			

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements		
		<u>REPLY CODE</u>	<u>REPLY (AN54)</u>		
		P	CONTAINS RADIOACTIVE MATERIAL		
ALL*					
FEAT	G	SPECIAL FEATURES			
Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.					
Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)					
ALL*					
TEST	J	TEST DATA DOCUMENT			
Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.					
Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.					
(e.g., TESTJA12345-CWX654321*; TESTJA1234A-654321\$\$JB5556A-663654*; TESTJAA2345-654321\$JB55566-663654*)					
<u>REPLY CODE</u>	<u>REPLY (AC28)</u>				
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and				

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
	B		performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
	C		STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
			DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements	
<u>REPLY</u>				<u>REPLY (AN62)</u>
<u>CODE</u>				
S				GOVERNMENT SPECIFICATION
T				GOVERNMENT STANDARD
D				MANUFACTURERS SOURCE CONTROL
R				MANUFACTURERS SPECIFICATION
N				MANUFACTURERS SPECIFICATION CONTROL
M				MANUFACTURERS STANDARD
B				NATIONAL STD/SPEC
A				PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P				PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

FIIG A120
SECTION I

APP Key	Mode Code	Requirements
Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.		
Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)		
ALL*		
ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.		
Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)		
ALL*		
ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.		
Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)		
ALL*		
CRTL	A	CRITICALITY CODE JUSTIFICATION
Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.		

FIIG A120
SECTION I

APP Key	Mode MRC	Code	Requirements
Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)			
Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.			

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$\$ASURF*)

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g.,
ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.			

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the reply code from the table below. (e.g., NHCFDCY*)

<u>REPLY CODE</u>	<u>REPLY (AD05)</u>
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

<u>REPLY CODE</u>	<u>REPLY (AN58)</u>
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION III

APP Key	MRC	Mode Code	Requirements
ALL			

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
AFJP	D		SPECIAL HANDLING FEATURE

Definition: THAT UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJPDC*; AFJPDB\$\$DC*; AFJPDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AD43)</u>
B	CORROSIVE
C	RADIOACTIVE

ALL

AFJK	J	CUBIC MEASURE
------	---	---------------

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF27.000*; AFJKJC80.0*)

<u>REPLY CODE</u>	<u>REPLY (AD42)</u>
C	CUBIC CENTIMETERS
F	CUBIC FEET
B	CUBIC INCHES
E	CUBIC METERS

ALL

AKYN	G	FURNISHED ITEMS AND QUANTITY
------	---	------------------------------

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable reply in clear text, giving quantity and name of the accessory. (e.g., AKYNG2 SUPPORT BRACKETS*)

NOTE FOR MRC RADD: A REPLY MUST BE ENTERED FOR THIS MRC, IF REPLY CODE P WAS ENTERED FOR MRC RADC IN SECTION I.

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
ALL (See Note Above)			

RADD J RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

Reply Instructions: Enter the applicable Reply Codes from the table below and [Appendix A](#), Table 6, followed by the numeric value. Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAAAD10.000*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
JF	CURIES
JH	MICROCURIES
JG	MILLICURIES

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000\$\$DAGA000*; PRMTDAUA000\$DAGA000*)

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements																		
Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500\$\$JAGA000R0.780*; PMWTJAUA000F0.500\$JAGA000R0.780*)																					
<u>Table 1</u>																					
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;"><u>REPLY CODE</u></th><th style="text-align: left; width: 30%;"><u>REPLY (MA01)</u></th></tr> </thead> <tbody> <tr><td>AUA000</td><td>GOLD</td></tr> <tr><td>IRA000</td><td>IRIDIUM</td></tr> <tr><td>AZA000</td><td>OSMIUM</td></tr> <tr><td>PDA000</td><td>PALLADIUM</td></tr> <tr><td>PTA000</td><td>PLATINUM</td></tr> <tr><td>RHA000</td><td>RHODIUM</td></tr> <tr><td>RTA000</td><td>RUTHENIUM</td></tr> <tr><td>AGA000</td><td>SILVER</td></tr> </tbody> </table>				<u>REPLY CODE</u>	<u>REPLY (MA01)</u>	AUA000	GOLD	IRA000	IRIDIUM	AZA000	OSMIUM	PDA000	PALLADIUM	PTA000	PLATINUM	RHA000	RHODIUM	RTA000	RUTHENIUM	AGA000	SILVER
<u>REPLY CODE</u>	<u>REPLY (MA01)</u>																				
AUA000	GOLD																				
IRA000	IRIDIUM																				
AZA000	OSMIUM																				
PDA000	PALLADIUM																				
PTA000	PLATINUM																				
RHA000	RHODIUM																				
RTA000	RUTHENIUM																				
AGA000	SILVER																				
<u>Table 2</u>																					
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;"><u>REPLY CODE</u></th><th style="text-align: left; width: 30%;"><u>REPLY (AG14)</u></th></tr> </thead> <tbody> <tr><td>E</td><td>GRAINS, TROY</td></tr> <tr><td>R</td><td>GRAMS</td></tr> <tr><td>F</td><td>OUNCES, TROY</td></tr> </tbody> </table>				<u>REPLY CODE</u>	<u>REPLY (AG14)</u>	E	GRAINS, TROY	R	GRAMS	F	OUNCES, TROY										
<u>REPLY CODE</u>	<u>REPLY (AG14)</u>																				
E	GRAINS, TROY																				
R	GRAMS																				
F	OUNCES, TROY																				

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS\$\$JAGA000INTERNAL SURFACES*; PMLCJAUA000TERMINALS\$JAGA000INTERNAL SURFACES*)

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
<hr/>			
ALL			
			<p>AGAV G END ITEM IDENTIFICATION</p> <p>Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.</p> <p>Reply Instructions: Enter the reply in clear text.</p> <p>(e.g., AGAVG0000-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)</p>
<hr/>			
ALL			<p>SUPP G SUPPLEMENTARY FEATURES</p> <p>Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)</p>
<hr/>			
ALL			<p>ZZZP J PURCHASE DESCRIPTION IDENTIFICATION</p> <p>Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.</p> <p>Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.</p> <p>(e.g., ZZZPJ81337-30624A*)</p>
<hr/>			
ALL			<p>ZZZV G FSC APPLICATION DATA</p> <p>Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.</p>

FIIG A120
SECTION I

APP Key	MRC	Mode Code	Requirements
Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)			
ALL*			
Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.			
CXCY	G		PART NAME ASSIGNED BY CONTROLLING AGENCY
Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)			

Reply Tables

Table 1 - MATERIALS	31
Table 2 - SURFACE TREATMENTS.....	33
Table 3 - MOUNTING METHODS	35
Table 4 - THREAD SERIES	36
Table 5 - NONDEFINITIVE SPEC/STD DATA.....	36
Table 6 - RADIONUCLIDES DATA	38

Table 1 - MATERIALS
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0272	ALUMINUM ALLOY, QQ-A-225/4, ALLOY 2014, T4
AL0280	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T4
AL0279	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T351
AL0345	ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024, T3
AL0347	ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024, T4
AL0370	ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052, H32
AL0386	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T4
AL0387	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T6
AL0385	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, 0
AL0393	ALUMINUM ALLOY, QQ-A-250/12, ALLOY 7075, T6
AL1009	ALUMINUM ALLOY, QQ-A-318, 5052 H32-CANCELED
AL0160	ALUMINUM ALLOY, QQ-A-601, ALLOY 356, TEMPER T6 Aluminum Alloy, QQ-A-601, ALLOY 356, Temper T6 (use Reply Code AL0160)
AL0157	ALUMINUM ALLOY, QQ-A-601, CLASS 3M, T6
AL0649	ALUMINUM ALLOY, WW-T-700/6, TYPE 1
ALA000	ALUMINUM BRONZE
ALG000	ALUMINUM, DIE CAST
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BR0450	BRASS, QQ-B-611, COMP C-CANCELED
BR0008	BRASS, QQ-B-613, COMP 1
BR0041	BRASS, QQ-B-626, COMP 22, 1/2H
BN0000	BRONZE
BM0000	BRONZE MANGANESE
CJ0000	CERAMIC
CU0000	COPPER
CK0000	COPPER ALLOY

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
FG0000	FIBERGLASS
FGAAA0	FIBERGLASS, DIETHYLENEDIAMINE, TECHNICAL
FGAE00	FIBERGLASS, RESIN BONDED
FGB000	FIBERGLASS, VARNISHED
GS0000	GLASS
GS0075	GLASS FIBER, MIL-Y-1140
GSF000	GLASS FIBROUS OR GLASS FIBER
AU0000	GOLD
FE0000	IRON
FEA000	IRON, CAST
FEC000	IRON, MALLEABLE
FEB000	IRON, WROUGHT
PB0000	LEAD
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
MG0087	MAGNESIUM ALLOY, QQ-M-44, ALLOY AZ31B, COND O
MGB000	MAGNESIUM OXIDE
MN0000	MANGANESE
MNA000	MANGANESE BRONZE
ME0000	METAL
NFF000	NICKEL ALLOY
NF0000	NICKEL (Alumel)
NFH000	NICKEL-CHROMIUM ALLOY (Chromel)
NC0000	NICKEL COPPER ALLOY (Monel)
NS0000	NICKEL SILVER
PZ0000	PHOSPHOR BRONZE
PC0000	PLASTIC
PCB000	PLASTIC, ACETAL
PCC000	PLASTIC, ACRYLIC
PCCCJ0	PLASTIC GLASS
PCEEEG	PLASTIC, LAMINATED, GLASS FABRIC BASE
PC0106	PLASTIC, MIL-P-8013, TYPE 2-CANCELED
PCW000	PLASTIC, PHENOLIC
PC0395	PLASTIC, PHENOLIC RESIN, MIL-P-79, FORM TR, TYPE PBE
PC1541	PLASTIC, POLYESTER, RESIN, MIL-R-7575
PCAG00	PLASTIC, POLYSTYRENE
PT0000	PLATINUM
PW0000	PLYWOOD
PL0000	POLYAMIDE NYLON
RC0000	RUBBER
RCC000	RUBBER, SYNTHETIC
SU0000	SILICON BRONZE
SLB000	SILICONE GLASS
SL0000	SILICONE RUBBER
AG0000	SILVER
AGD000	SILVER ALLOY
AGA000	SILVER NICKEL

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ST0000	STEEL
STD325	STEEL, ASTM A108, GRADE 1020
STB000	STEEL, CORROSION RESISTING
STD365	STEEL, GM290M, GENERAL MOTORS CORP
ST2598	STEEL, MIL-S-5626, COMP 4140
ST7632	STEEL, MIL-S-12560, CLASS 1
STD375	STEEL, MS738, CHRYSLER CORP
ST2567	STEEL, QQ-S-633-FS1020-CANCELED (use Reply Code STD325 or STD365 or STD375)
ST0975	STEEL, QQ-S-636-CANCELED
ST2637	STEEL, QQ-S-636, COND 1-CANCELED
ST2584	STEEL, QQ-S-640, FS1009 TO FS1020-CANCELED
ST2766	STEEL, QQ-S-741
ST1778	STEEL, QQ-S-763, CLASS 303, COND A
ST3167	STEEL, QQ-S-763, CLASS 303SE, COND B
ST1649	STEEL, QQ-S-763, CLASS 304
ST1752	STEEL, QQ-S-766, CLASS 304
STD000	STEEL, STAINLESS
ST3683	STEEL, TUBING, MIL-T-8506, TYPE 1
SN0000	TIN
TTA000	TITANIUM
WEF000	WIRE, STEEL
WD0000	WOOD

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
AN0000	Alodine (use Reply Code PH0000)
AN0000	ANODIZED
ANA000	ANODIZED BLACK
ANJ000	ANODIZED W/ENAMEL
BB0000	BLACK NICKEL
BA0000	BLACK OXIDE
	Black Oxide, MIL-C-13924, CLASS 2 (use Reply Code XX0048)
BAC000	BLACK OXIDE W/ALKALINE CHROMATE
BL0000	BLUED
	Bonderized (use Reply Code ZN0000 or PH0000)
CD0000	CADMIUM
CDD000	CADMIUM, DICHROMATE TREATED
CDR000	CADMIUM PLATED
	Cadmium Plated W/OLIVE DRAB (use Reply Code CD0000)
CDM000	CADMIUM W/BLACK OXIDE FINISH
CDS000	CADMIUM W/CHROMATE
CDP000	CADMIUM W/OXIDE DIP
CDQ000	CADMIUM W/PHOSPHATE

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
CLA000	CHEMICAL FILM Chemical Film, MIL-C-5541 (use Reply Code XX0002)
CN0000	CHROMATE
CH0000	CHROME
CHB000	CHROME DIP
CHA000	CHROME-NICKEL PLATED
CR0000	CHROMIUM
CU0000	COPPER
CUE000	COPPER OXIDE Cronak (use Reply Code CN0000)
DC0000	DICHROMATE
DCA000	DICHROMATE BLACK Ebonol (ebonizinf) (use Reply Code BA0000)
EN0000	ENAMEL Enamel, Green (use Reply Code EN0000) Enamel, Olive Drab, TT-E-529 (use Reply Code EN0019) Enamel, Olive Drab (use Reply Code EN0000)
ENK000	ENAMEL, SYNTHETIC, LUSTERLESS, OLIVE DRAB
EN0019	ENAMEL, TT-E-529
GB0000	GALVANIZED
GL0000	GLAZED
AU0000	GOLD
AUB000	GOLD PLATE OVER SILVER PLATE
MM0000	IMMUNIZED
MMA000	IMMUNIZED W/BLACK DIP Indium (use Reply Code PBG000) Iridite (use Reply Code CN0000)
JA0000	JAPAN
LQ0000	LACQUER
PB0000	LEAD
PBG000	LEAD-TIN (Indium)
NF0000	NICKEL (Alumel)
NFB000	NICKEL, CHROMATE TREATED
NFD000	NICKEL PLATED-BLACK OXIDE
NFG000	NICKEL PLATED (dull, white, or bright nickel)
XX0002	OXIDE FILM, MIL-C-5541
XX0048	OXIDE, MIL-C-13924, CLASS 2
PNG000	PAINT
PN0000	PAINTED Painted, FED STD 595, NO. 37038 (use Reply Code PNG000) Parcolated (use Reply Code PN0000) Parkerized (use Reply Code PN0000)
PS0000	PASSIVATED
PS0050	PASSIVATED, MIL-C-5541
PS0008	PASSIVATED, MIL-F-14072, FINISH E300
PS0272	Passivated, MIL-S-STD-171, FINISH NO. 5.4.1 (use Reply Code PS0272) PASSIVATED, MIL-STD-171, FINISH 5.4.1
PSC000	PASSIVATED W/BLACK OXIDE

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
PE0000	PENETRATE
PEA000	PENETRATE BLACK
PH0000	PHOSPHATE
PHB000	PHOSPHATE BLACK
BHA000	PORCELAIN ENAMEL
	Px Black (use Reply Code BA0000)
RH0000	RHODIUM
RC0000	RUBBER
RCA000	RUBBER COATED
AG0000	SILVER
AGA000	SILVER NICKEL
AGE000	SILVER PLATED
SN0000	TIN
	Tin and Cadmium (use Reply Code SN0000 and Reply Code CD0000)
SNAC00	TIN PLATE
SNE000	TIN W/ENAMEL
VAB000	VARNISH
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZN0046	ZINC CHROMATE, MIL-P-6889, TYPE 1-CANCELED
ZNS000	ZINC COATED
ZNB000	ZINC COATED W/PAINT
ZNC000	ZINC, DICHROMATE TREATED
ZNJ000	ZINC W/BLACK POST PLATE FINISH
ZNR000	ZINC W/PHOSPHATE

Table 3 - MOUNTING METHODS
MOUNTING METHODS

<u>REPLY CODE</u>	<u>REPLY (AB89)</u>
FG	BAIL HANDLE
ADS	BINDING POST
AB	BRACKET
AD	CLAMP
CR	CLIP
EY	CONNECTOR
GK	COUPLING NUT
ADT	FEMALE LOCK ASSEMBLY
AF	FLANGE
AG	FRICTION (include Snap-on and Tube Mounting)
FE	LAGS
ADX	LATCH CATCH
JH	METAL BRACES
FJ	PIN
AM	PLATE
DU	RING
FD	RIVET

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AB89)</u>
FB	SLOT
AQ	SOLDER
ADZ	SPRING-SOCKET
FF	SPRING WIRE
DZ	STRAP
AEA	SWING BOLT
FC	THREADED BASE
BR	THREADED HOLES
BT	THREADED STUDS
ALN #	TRIANGULAR HOLE
AV	TWIST LOCK
BU	UNTHREADED HOLES
FA	UNTHREADED STUD

Table 4 - THREAD SERIES
THREAD SERIES

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
SM	ISO M
SS	ISO S
UN	UN
NC	UNC
NE	UNEF
NF	UNF
NJ	UNJ
JC	UNJC
JE	UNJEF
JF	UNJF
NM	UNM
NS	UNS

Table 5 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 6 - RADIONUCLIDES DATA
RADIONUCLIDES DATA

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAAB	ACTINIUM (89)	AC-227
AAAC	ACTINIUM (89)	AC-228
AAAD	AMERICIUM (95)	AM-241
AAAE	AMERICIUM (95)	AM-243
AAAF	ANTIMONY (51)	SB-122
AAAG	ANTIMONY (51)	SB-124
AAAH	ANTIMONY (51)	SB-125
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAM	ARSENIC (33)	AS-73
AAAN	ARSENIC (33)	AS-74
AAAP	ARSENIC (33)	AS-76
AAAQ	ARSENIC (33)	AS-77
AAAR	ASTATINE (85)	AT-211
AAAS	BARIUM (56)	BA-131
AAAT	BARIUM (56)	BA-133
AAAW	BARIUM (56)	BA-140
AAAX	BERKELIUM (97)	BK-249
AAAY	BERYLLIUM (4)	BE-7
AAAZ	BISMUTH (83)	BI-206
AABA	BISMUTH (83)	BI-207
AABB	BISMUTH (83)	BI-210
AABC	BISMUTH (83)	BI-212
AABD	BROMINE (35)	BR-82
AABE	CADMIUM (48)	CD-109
AABF	CADMIUM (48)	CD-115M
AABG	CADMIUM (48)	CD-115
AABH	CALCIUM (20)	CA-45
AABJ	CALCIUM (20)	CA-47
AABK	CALIFORNIUM (98)	CF-249
AABL	CALIFORNIUM (98)	CF-250
AABM	CALIFORNIUM (98)	CF-252
AABN	CARBON (6)	C-14
AABP	CERIUM (58)	CE-141
AABQ	CERIUM (58)	CE-143
AABR	CERIUM (58)	CE-144
AABS	CESIUM (55)	CS-131
AABT	CESIUM (55)	CS-134M
AABW	CESIUM (55)	CS-134
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137
AACA	CHLORINE (17)	CL-36
AACB	CHLORINE (17)	CL-38
AACC	CHROMIUM (24)	CR-51
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACF	COBALT (27)	CO-58M
AACG	COBALT (27)	CO-58
AACH	COBALT (27)	CO-60
AACJ	COPPER (29)	CU-64
AACK	CURIUM (96)	CM-242
AACL	CURIUM (96)	CM-243
AACM	CURIUM (96)	CM-244
AACN	CURIUM (96)	CM-245

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AACP	CURIUM (96)	CM-246
AACQ	DYSPROSIUM (66)	DY-154
AACR	DYSPROSIUM (66)	DY-165
AACS	DYSPROSIUM (66)	DY-166
AACT	ERBIUM (68)	ER-169
AACW	ERBIUM (68)	ER-171
AACX	EUROPIUM (63)	EU-150
AACY	EUROPIUM (63)	EU-152M
AACZ	EUROPIUM (63)	EU-152
AADA	EUROPIUM (63)	EU-154
AADB	EUROPIUM (63)	EU-155
AADC	FLUORINE (9)	F-18
AADD	GADOLINIUM (64)	GD-153
AADE	GADOLINIUM (64)	GD-159
AADF	GALLIUM (31)	GA-67
AADG	GALLIUM (31)	GA-72
AADH	GERMANIUM (32)	GE-71
AADJ	GOLD (79)	AU-193
AADK	GOLD (79)	AU-194
AADL	GOLD (79)	AU-195
AADM	GOLD (79)	AU-196
AADN	GOLD (79)	AU-198
AADP	GOLD (79)	AU-199
AADQ	HAFNIUM (72)	HF-181
AADR	HOLMIUM (67)	HO-166
	HYDROGEN (1)	H-3 (see Tritium)
AADS	INDIUM (49)	IN-113M
AADT	INDIUM (49)	IN-114M
AADW	INDIUM (49)	IN-115M
AADX	INDIUM (49)	IN-115
AADY	IODINE (53)	I-124
AADZ	IODINE (53)	I-125
AAEA	IODINE (53)	I-126
AAEB	IODINE (53)	I-129
AAEC	IODINE (53)	I-131
AAED	IODINE (53)	I-132
AAEE	IODINE (53)	I-133
AAEF	IODINE (53)	I-134
AAEG	IODINE (53)	I-135
AAEH	IRIDIUM (77)	IR-190
AAEJ	IRIDIUM (77)	IR-192
AAEK	IRIDIUM (77)	IR-194
AAEL	IRON (26)	FE-55
AAEM	IRON (26)	FE-59
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAEQ	KRYPTON (36)	KR-85

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAEW	LANTHANUM (57)	LA-140
AAEX	LEAD (82)	PB-203
AAEY	LEAD (82)	PB-210
AAEZ	LEAD (82)	PB-212
AAFA	LUTECIUM (71)	LU-172
AAFB	LUTCEIUM (71)	LU-177
AAFC	MAGNESIUM (12)	MG-28
AAFD	MANGANESE (25)	MN-52
AAFE	MANGANESE (25)	MN-54
AAFF	MANGANESE (25)	MN-56
AAFG	MERCURY (80)	HG-197M
AAFH	MERCURY (80)	HG-197
AAFJ	MERCURY (80)	HG-203
AAFK	MIXED FISSION PRODUCTS	MF-P
AAFL	MOLYBDENUM (42)	MO-99
AAFM	NEODYMIUM (60)	ND-147
AAFN	NEODYMIUM (60)	ND-149
AAFP	NEPTUNIUM (93)	NP-237
AAFQ	NEPTUNIUM (93)	NP-239
AAFR	NICKEL (28)	NI-56
AAFS	NICKEL (28)	NI-59
AAFT	NICKEL (28)	NI-63
AAFW	NICKEL (28)	NI-65
AAFX	NIOBIUM (41)	NB-93M
AAFY	NIOBIUM (41)	NB-95
AAFZ	NIOBIUM (41)	NB-97
AAGA	OSMIUM (76)	OS-185
AAGB	OSMIUM (76)	OS-191M
AAGC	OSMIUM (76)	OS-191
AAGD	OSMIUM (76)	OS-193
AAGE	PALLADIUM (46)	PD-103
AAGF	PALLADIUM (46)	PD-109
AAGG	PHOSPHORUS (15)	P-32
AAGH	PLATINUM (78)	PT-191
AAGJ	PLATINUM (78)	PT-193
AAGK	PLATINUM (78)	PT-193M
AAGL	PLATINUM (78)	PT-197M
AAGM	PLATINUM (78)	PT-197
AAGN	PLUTONIUM (94)	PU-238
AAGP	PLUTONIUM (94)	PU-239
AAGQ	PLUTONIUM (94)	PU-240
AAGR	PLUTONIUM (94)	PU-241
AAGS	PLUTONIUM (94)	PU-242

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAGT	POLONIUM (84)	PO-210
AAGW	POTASSIUM (19)	K-42
AAGX	POTASSIUM (19)	K-43
AAGY	PRAESODYMIUM (59)	PR-142
AAGZ	PRAESODYMIUM (59)	PR-143
AAHA	PROMETHIUM (61)	PM-147
AAHB	PROMETHIUM (61)	PM-149
AAHC	PROTACTINIUM (91)	PA-230
AAHD	PROTACTINIUM (91)	PA-231
AAHE	PROTACTINIUM (91)	PA-233
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226
AAHJ	RADIUM (88)	RA-228
AAHK	RADON (86)	RN-220
AAHL	RADON (86)	RN-222
AAHM	RHENIUM (75)	RE-183
AAHN	RHENIUM (75)	RE-186
AAHP	RHENIUM (75)	RE-187
AAHQ	RHENIUM (75)	RE-188
AAHR	RHENIUM (75)	RE-NATURAL
AAHS	RHODIUM (45)	RH-103M
AAHT	RHODIUM (45)	RH-105
AAHW	RUBIDIUM (37)	RB-86
AAHX	RUBIDIUM (37)	RB-87
AAHY	RUBIDIUM (37)	RB-NATURAL
AAHZ	RUTHENIUM (44)	RU-97
AAJA	RUTHENIUM (44)	RU-103
AAJB	RUTHENIUM (44)	RU-105
AAJC	RUTHENIUM (44)	RU-106
AAJD	SAMARIUM (62)	SM-145
AAJE	SAMARIUM (62)	SM-147
AAJF	SAMARIUM (62)	SM-151
AAJG	SAMARIUM (62)	SM-153
AAJH	SCANDIUM (21)	SC-46
AAJJ	SCANDIUM (21)	SC-47
AAJK	SCANDIUM (21)	SC-48
AAJL	SELENIUM (34)	SE-75
AAJM	SILICON (14)	SI-31
AAJN	SILVER (47)	AG-105
AAJP	SILVER (47)	AG-110M
AAJQ	SILVER (47)	AG-111
AAJR	SODIUM (11)	NA-22
AAJS	SODIUM (11)	NA-24
AAJT	STRONTIUM (38)	SR-85M
AAJW	STRONTIUM (38)	SR-85
AAJX	STRONTIUM (38)	SR-89

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAJY	STRONTIUM (38)	SR-90
AAJZ	STRONTIUM (38)	SR-91
AAKA	STRONTIUM (38)	SR-92
AAKB	SULPHUR (16)	S-35
AAKC	TANTALUM (73)	TA-182
AAKD	TECHNETIUM (43)	TC-96M
AAKE	TECHNETIUM (43)	TC-96
AAKF	TECHNETIUM (43)	TC-97M
AAKG	TECHNETIUM (43)	TC-97
AAKH	TECHNETIUM (43)	TC-99M
AAKJ	TECHNETIUM (43)	TC-99
AAKK	TELLURIUM (52)	TE-125M
AAKL	TELLURIUM (52)	TE-127M
AAKM	TELLURIUM (52)	TE-127
AAKN	TELLURIUM (52)	TE-129M
AAKP	TELLURIUM (52)	TE-129
AAKQ	TELLURIUM (52)	TE-131M
AAKR	TELLURIUM (52)	TE-132
AAKS	TERBIUM (65)	TB-160
AAKT	THALLIUM (81)	TL-200
AAKW	THALLIUM (81)	TL-201
AAKX	THALLIUM (81)	TL-202
AAKY	THALLIUM (81)	TL-204
AAKZ	THORIUM (90)	TH-227
AALA	THORIUM (90)	TH-228
AALB	THORIUM (90)	TH-230
AALC	THORIUM (90)	TH-231
AALD	THORIUM (90)	TH-232
AALE	THORIUM (90)	TH-234
AALF	THORIUM (90)	TH-NATURAL
AALG	THULIUM (69)	TM-168
AALH	THULIUM (69)	TM-170
AALJ	THULIUM (69)	TM-171
AALK	TIN (50)	SN-113
AALL	TIN (50)	SN-117M
AALM	TIN (50)	SN-121
AALN	TIN (50)	SN-125
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS, LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187
AALW	URANIUM (92)	U-230
AALX	URANIUM (92)	U-232
AALY	URANIUM (92)	U-233
AALZ	URANIUM (92)	U-224

FIIG A120
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN55)</u>	<u>RADIONUCLIDES</u>
AAMA	URANIUM (92)	U-235
AAMB	URANIUM (92)	U-236
AAMC	URANIUM (92)	U-238
AAMD	URANIUM (92)	U-NATURAL
AAME	URANIUM (92)	U-ENRICHED
AAMF	URANIUM (92)	U-DEPLETED
AAMG	VANADIUM (23)	V-48
AAMH	VANADIUM (23)	V-49
AAMJ	XENON (54)	XE-125
AAMK	XENON (54)	XE-131M
AAML	XENON (54)	XE-131M, UNCOMPRESSED
AAMM	XENON (54)	XE-133
AAMN	XENON (54)	XE-133, UNCOMPRESSED
AAMP	XENON (54)	XE-135
AAMQ	XENON (54)	XE-135, UNCOMPRESSED
AAMR	YTTERBIUM (70)	YB-175
AAMS	YTTRIUM (39)	Y-88
AAMT	YTTRIUM (39)	Y-90
AAMW	YTTRIUM (39)	Y-91M
AAMX	YTTRIUM (39)	Y-91
AAMY	YTTRIUM (39)	Y-92
AAMZ	YTTRIUM (39)	Y-93
AANA	ZINC (30)	ZN-65
AANB	ZINC (30)	ZN-69M
AANC	ZINC (30)	ZN-69
AAND	ZIRCONIUM (40)	ZR-93
AANE	ZIRCONIUM (40)	ZR-95
AANF	ZIRCONIUM (40)	ZR-97

Reference Drawing Groups

REFERENCE DRAWING GROUPS A AND B Tables.....	46
REFERENCE DRAWING GROUP A	47
REFERENCE DRAWING GROUP B	51

FIIG A120
APPENDIX B

REFERENCE DRAWING GROUPS A AND B Tables
INDEX OF MASTER REQUIREMENT CODES

BASIC SHAPE STYLES AND REFLECTOR STYLES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ABHPJAA3.500*; ABHPJAA11.000*; ABHPJLA25.4*;
ABHPJAB11.000\$\$JAC11.021*)

To convert inches to decimals of a foot, see Appendix C, Table 3.

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

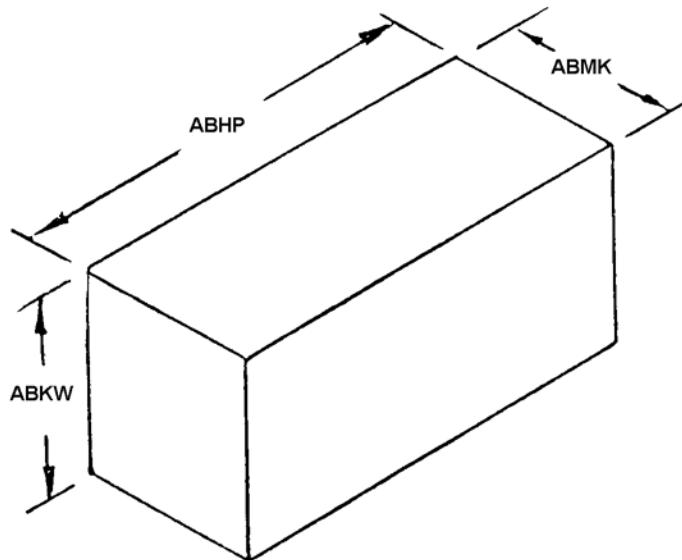
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AAZK	J	WIDTH ACROSS FLATS
ABFY	J	OVERALL DEPTH
ABHP	J	OVERALL LENGTH
ABKW	J	OVERALL HEIGHT
ABMK	J	OVERALL WIDTH
ABMZ	J	DIAMETER
ABPH	J	SMALL END DIAMETER
ABPJ	J	LARGE END DIAMETER
ADAV	J	OVERALL DIAMETER
AFZU	J	MAIN BODY INSIDE DIAMETER
HGTH	J	HEIGHT

REFERENCE DRAWING GROUP A

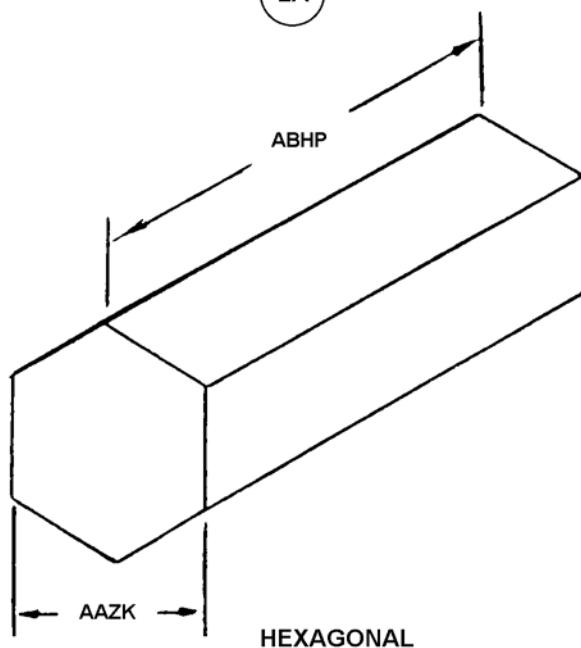
BASIC SHAPE STYLES

1A



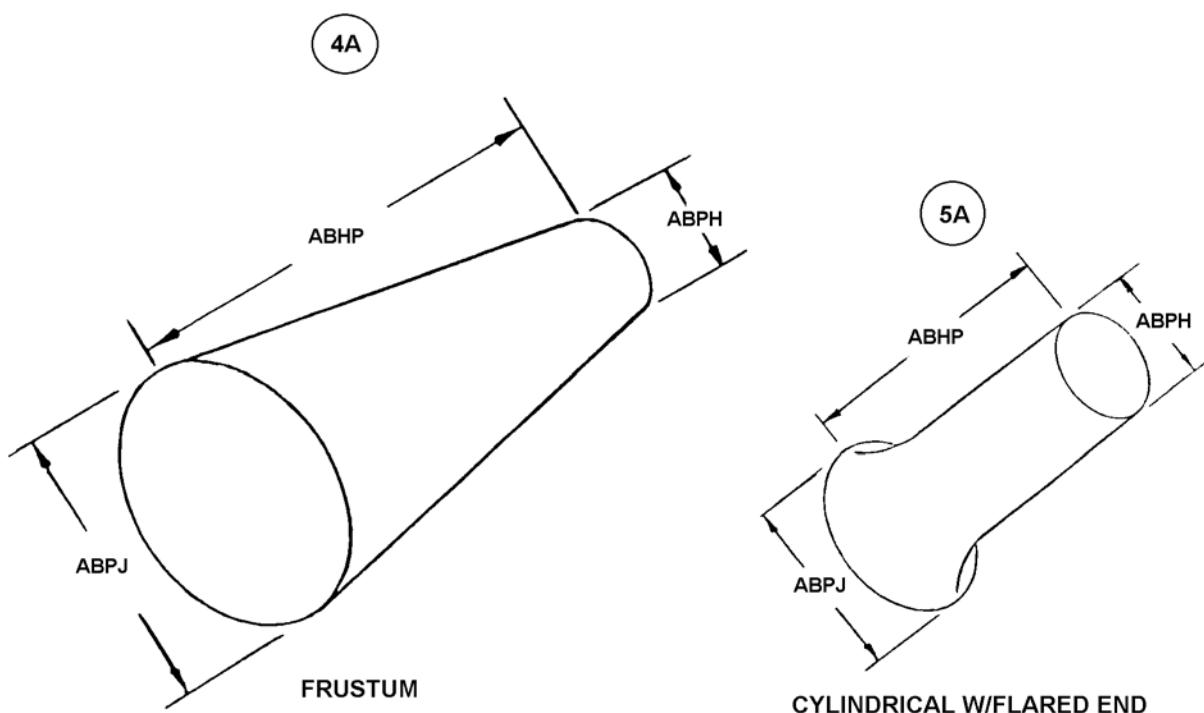
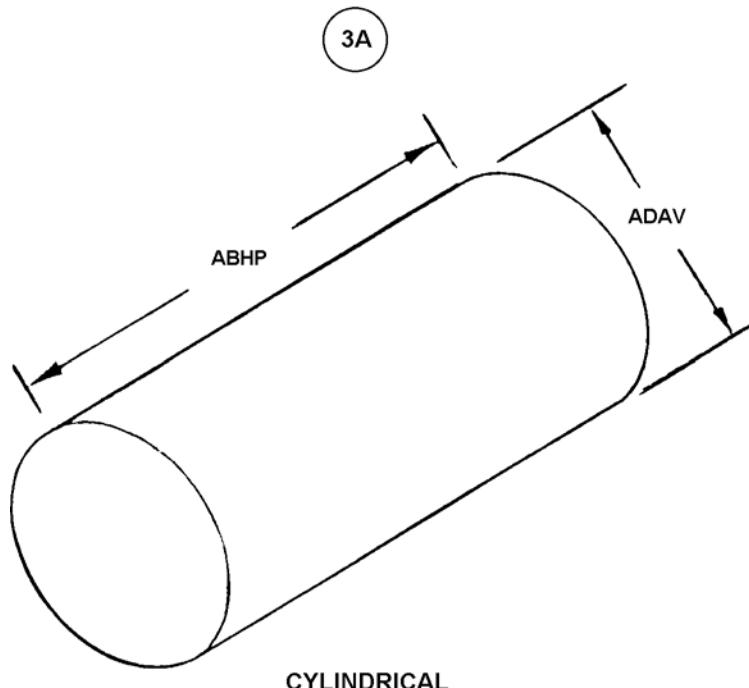
RECTANGULAR PRISM

2A

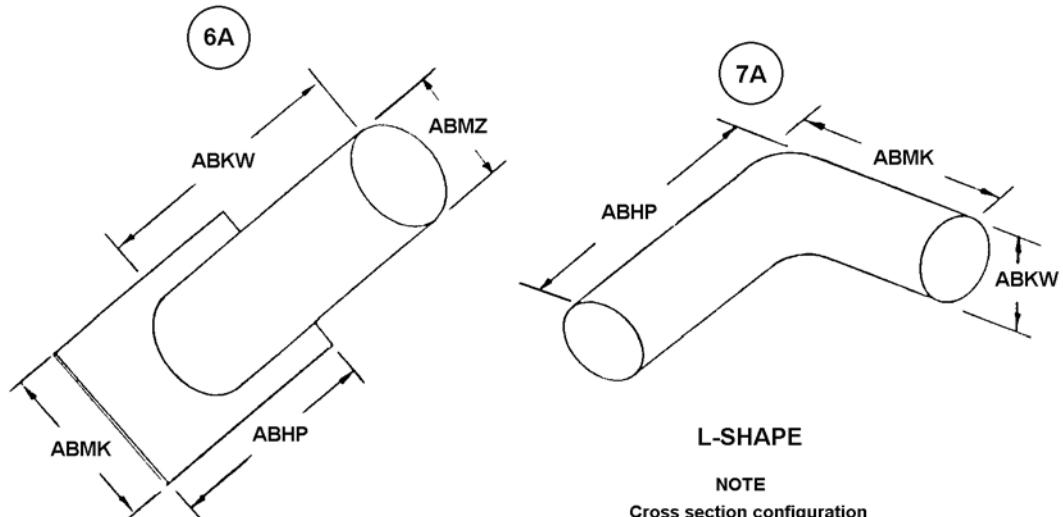


HEXAGONAL

FIIG A120
APPENDIX B



FIIG A120
APPENDIX B

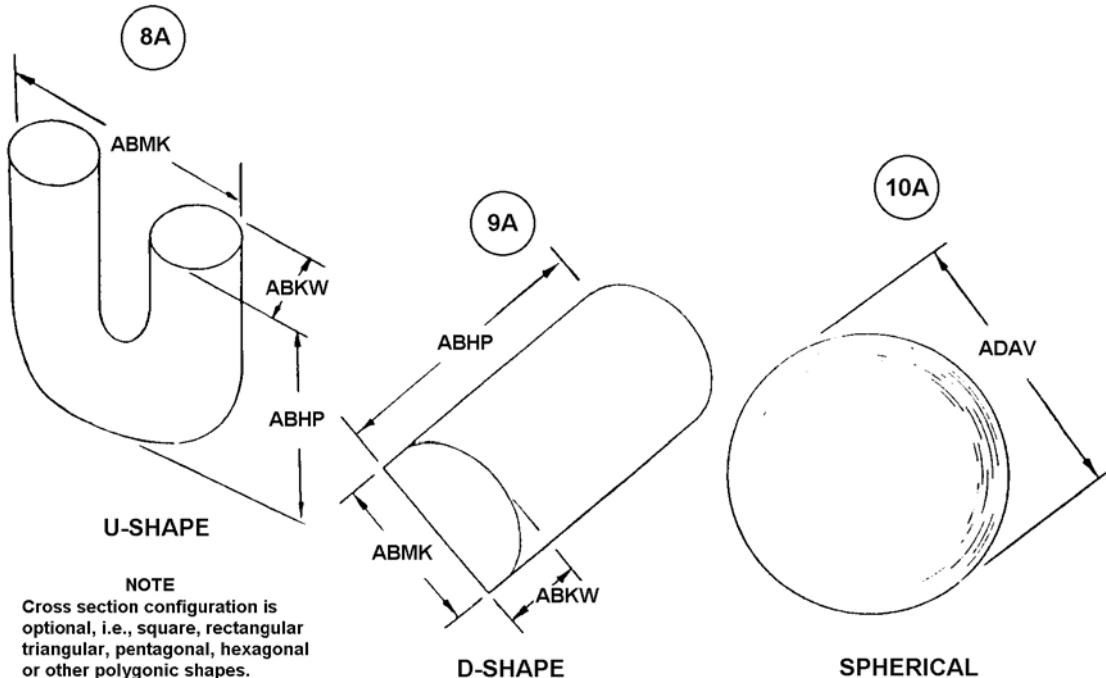


CYLINDRICAL W/RECTANGULAR
OR SQUARE BASE

L-SHAPE

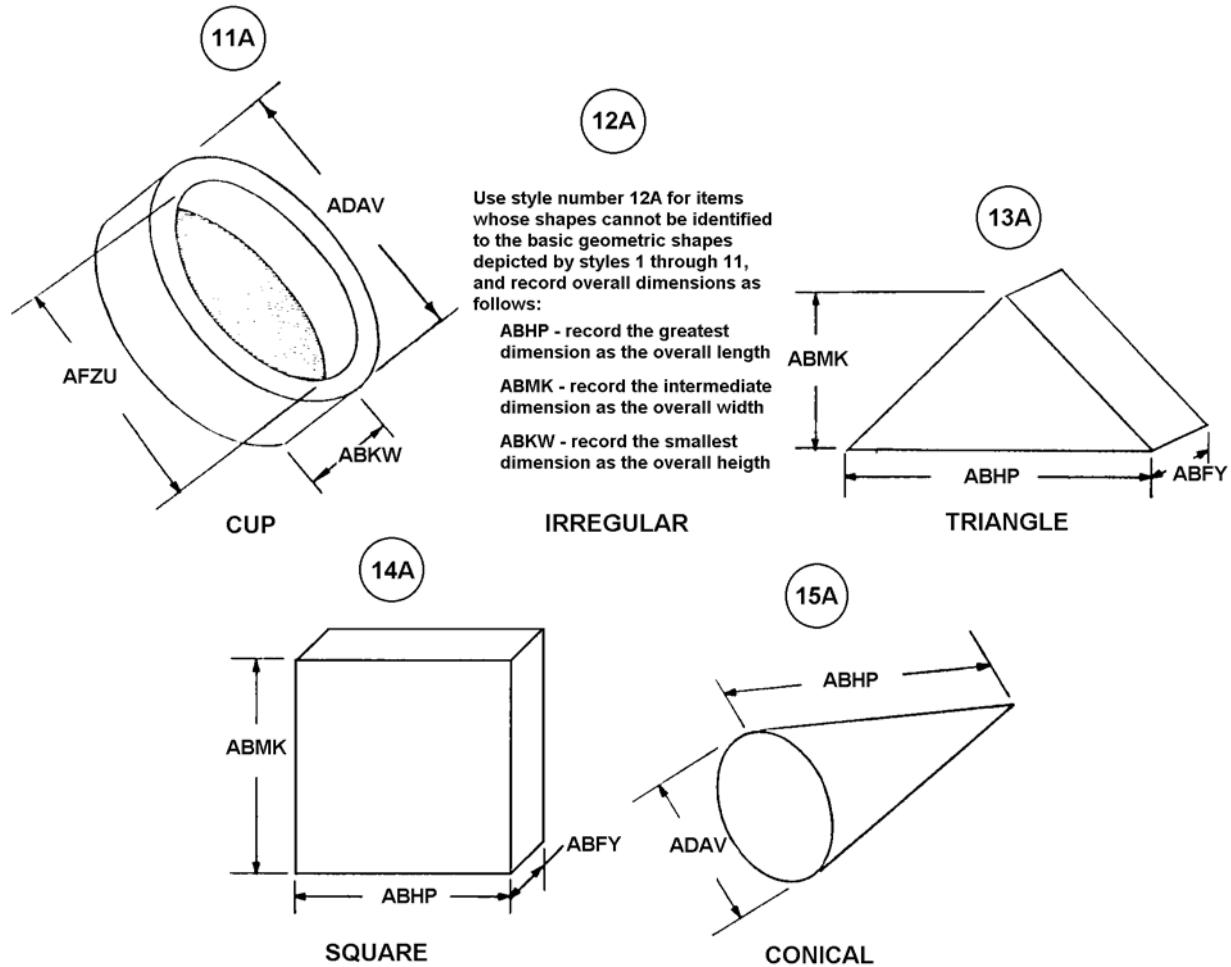
NOTE

Cross section configuration
is optional, i.e., square,
rectangular, triangular,
pentagonal, hexagonal, or
other polygonic shapes



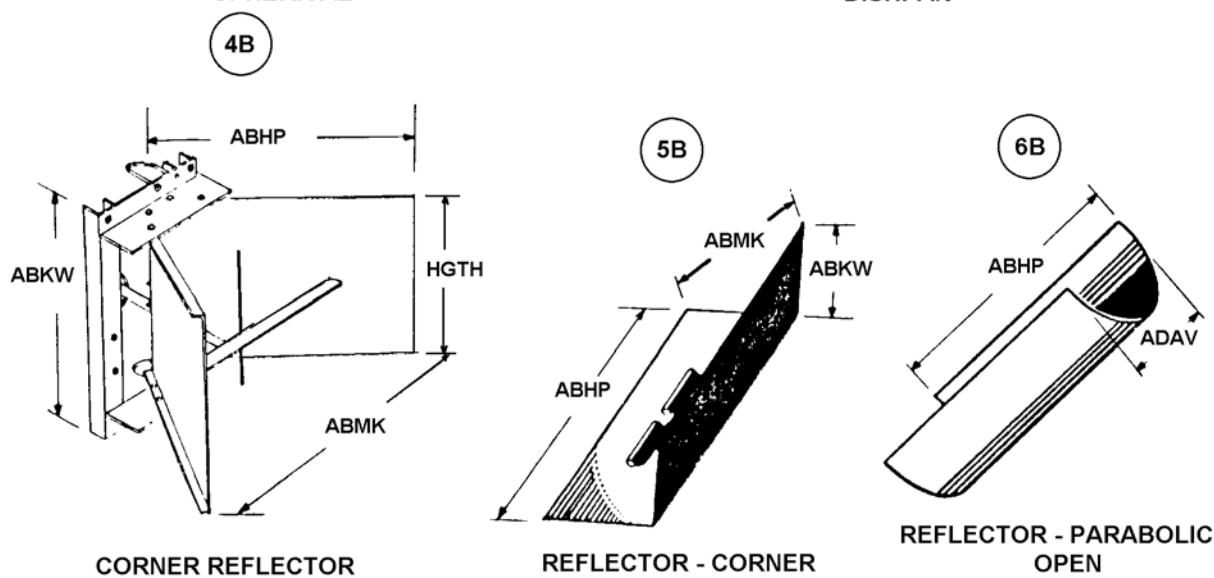
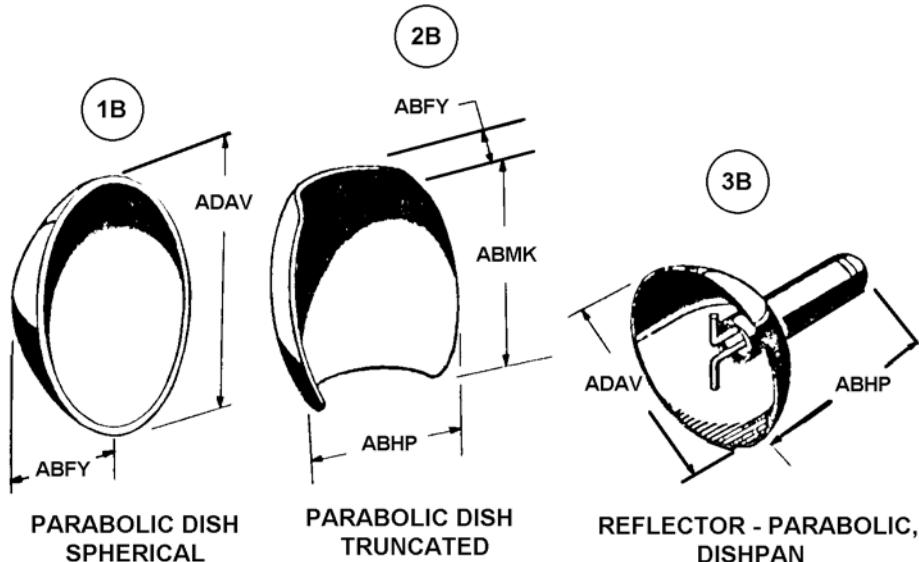
NOTE
Cross section configuration is
optional, i.e., square, rectangular
triangular, pentagonal, hexagonal
or other polygonic shapes.

FIIG A120
APPENDIX B



REFERENCE DRAWING GROUP B

REFLECTOR STYLES



Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART	53
THREAD SIZE/SERIES	54
INCH TO DECIMAL OF A FOOT CONVERSION CHART	64
OUNCE TO DECIMAL OF A POUND CONVERSION CHART	64

FIIG A120
APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	To 3	To 4	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
				1/32	----	.031	.0312			17/32	----	.531	.5312
				3/64	.047	.0469				35/64	.547	.5469	
1/16	----				.062	.0625			9/16	----	----	.562	.5625
				5/64	.078	.0781				37/64	.578	.5781	
				3/32	----	.094	.0938			19/32	----	.594	.5938
				7/64	.109	.1094				39/64	.609	.6094	
1/8	----	----	----		.125	.1250	5/8	----	----	----	----	.625	.6250
				9/64	.141	.1406				41/64	.641	.6406	
				5/32	----	.156	.1562			21/32	----	.656	.6562
				11/64	.172	.1719				43/64	.672	.6719	
3/16	----	----	----		.188	.1875			11/16	----	----	.688	.6875
				13/64	.203	.2031				45/64	.703	.7031	
				7/32	----	.219	.2188			23/32	----	.719	.7188
				15/64	.234	.2344				47/64	.734	.7344	
1/4	----	----	----		.250	.2500	3/4	----	----	----	----	.750	.7500
				17/64	.266	.2656				49/64	.766	.7656	
				9/32	----	.281	.2812			25/32	----	.781	.7812
				19/64	.297	.2969				51/64	.797	.7969	
5/16	----	----	----		.312	.3125			13/16	----	----	.812	.8125
				21/64	.328	.3281				53/64	.828	.8281	
				11/32	----	.344	.3438			27/32	----	.844	.8438
				23/64	.359	.3594				55/64	.859	.8594	
3/8	----	----	----		.375	.3750	7/8	----	----	----	----	.875	.8750
				25/64	.391	.3906				57/64	.891	.8906	
				13/32	----	.406	.4062			29/32	----	.906	.9062
				27/64	.422	.4219				59/64	.922	.9219	
7/16	----	----	----		.438	.4375			15/16	----	----	.938	.9375
				29/64	.453	.4531				61/64	.953	.9531	
				15/32	----	.469	.4688			31/32	----	.969	.9688
				31/64	.484	.4844				63/64	.984	.9844	
					.500	.5000					1.000	1.0000	

FIIG A120
APPENDIX C

THREAD SIZE/SERIES

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
0-80 OR .060-80	UNF
1-64 OR .073-64	UNC
1-72 OR .073-72	UNF
2-56 OR .086-56	UNC
2-64 OR .086-64	UNF
3-48 OR .099-48	UNC
3-56 OR .099-56	UNF
4-40 OR .112-40	UNC
4-48 OR .112-48	UNF
5-40 OR .125-40	UNC
5-44 OR .125-44	UNF
6-32 OR .138-32	UNC
6-40 OR .138-40	UNF
8-32 OR .164-32	UNC
8-36 OR .164-36	UNF
10-24 OR .190-24	UNC
10-28 OR .190-28	UNS
10-32 OR .190-32	UNF
10-36 OR .190-36	UNS
10-40 OR .190-40	UNS
10-48 OR .190-48	UNS
10-56 OR .190-56	UNS
12-24 OR .216-24	UNC
12-28 OR .216-28	UNF
12-32 OR .216-32	UNEF
12-36 OR .216-36	UNS
12-40 OR .216-40	UNS
12-48 OR .216-48	UNS
12-56 OR .216-56	UNS
1/4-20 OR .250-20	UNC
1/4-24 OR .250-24	UNS
1/4-27 OR .250-27	UNS
1/4-28 OR .250-28	UNF
1/4-32 OR .250-32	UNEF
1/4-36 OR .250-36	UNS
1/4-40 OR .250-40	UNS
1/4-48 OR .250-48	UNS
1/4-56 OR .250-56	UNS
5/16-18 OR .3125-18	UNC
5/16-20 OR .3125-20	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
5/16-24 OR .3125-24	UNF
5/16-27 OR .3125-27	UNS
5/16-28 OR .3125-28	UN
5/16-32 OR .3125-32	UNEF
5/16-36 OR .3125-36	UNS
5/16-40 OR .3125-40	UNS
5/16-48 OR .3125-48	UNS
3/8-16 OR .375-16	UNC
3/8-18 OR .375-18	UNS
3/8-20 OR .375-20	UN
3/8-24 OR .375-24	UNF
3/8-27 OR .375-27	UNS
3/8-28 OR .375-28	UN
3/8-32 OR .375-32	UNEF
3/8-36 OR .375-36	UNS
3/8-40 OR .375-40	UNS
.390-27	UNS
7/16-14 OR .4375-14	UNC
7/16-16 OR .4375-16	UN
7/16-18 OR .4375-18	UNS
7/16-20 OR .4375-20	UNF
7/16-24 OR .4375-24	UNS
7/16-27 OR .4375-27	UNS
7/16-28 OR .4375-28	UNEF
7/16-32 OR .4375-32	UN
7/16-36 OR .4375-36	UNS
7/16-40 OR .4375-40	UNS
1/2-12 OR .500-12	UNS
1/2-13 OR .500-13	UNC
1/2-14 OR .500-14	UNS
1/2-16 OR .500-16	UN
1/2-18 OR .500-18	UNS
1/2-20 OR .500-20	UNF
1/2-24 OR .500-24	UNS
1/2-27 OR .500-27	UNS
1/2-28 OR .500-28	UNEF
1/2-32 OR .500-32	UN
1/2-36 OR .500-36	UNS
1/2-40 OR .500-40	UNS
9/16-12 OR .5625-12	UNC
9/16-14 OR .5625-14	UNS
9/16-16 OR .5625-16	UN
9/16-18 OR .5625-18	UNF
9/16-20 OR .5625-20	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
9/16-24 OR .5625-24	UNEF
9/16-27 OR .5625-27	UNS
9/16-28 OR .5625-28	UN
9/16-32 OR .5625-32	UN
9/16-36 OR .5625-36	UNS
9/16-40 OR .5625-40	UNS
5/8-11 OR .625-11	UNC
5/8-12 OR .625-12	UN
5/8-14 OR .625-14	UNS
5/8-16 OR .625-16	UN
5/8-18 OR .625-18	UNF
5/8-24 OR .625-24	UNEF
5/8-27 OR .625-27	UNS
5/8-28 OR .625-28	UN
5/8-32 OR .625-32	UN
5/8-36 OR .625-36	UNS
11/16-12 OR .6875-12	UN
11/16-16 OR .6875-16	UN
11/16-20 OR .6875-20	UN
11/16-24 OR .6875-24	UNEF
11/16-28 OR .6875-28	UN
11/16-32 OR .6875-32	UN
3/4-10 OR .750-10	UNC
3/4-12 OR .750-12	UN
3/4-14 OR .750-14	UNS
3/4-16 OR .750-16	UNF
3/4-18 OR .750-18	UNS
3/4-20 OR .750-20	UNEF
3/4-24 OR .750-24	UNS
3/4-27 OR .750-27	UNS
3/4-28 OR .750-28	UN
3/4-32 OR .750-32	UN
3/4-36 OR .750-36	UNS
3/4-40 OR .750-40	UNS
13/16-12 OR .8125-12	UN
13/16-16 OR .8125-16	UN
13/16-20 OR .8125-20	UNEF
13/16-28 OR .8125-28	UN
13/16-32 OR .8125-32	UN
7/8-9 OR .875-9	UNC
7/8-10 OR .875-10	UNS
7/8-12 OR .875-12	UN
7/8-14 OR .875-14	UNF
7/8-16 OR .875-16	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
7/8-18 OR .875-18	UNS
7/8-20 OR .875-20	UNEF
7/8-24 OR .875-24	UNS
7/8-27 OR .875-27	UNS
7/8-28 OR .875-28	UN
7/8-32 OR .875-32	UN
7/8-36 OR .875-36	UNS
7/8-40 OR .875-40	UNS
15/16-12 OR .9375-12	UN
15/16-16 OR .9375-16	UN
15/16-20 OR .9375-20	UNEF
15/16-28 OR .9375-28	UN
15/16-32 OR .9375-32	UN
1-8 OR 1.000-8	UNC
1-10 OR 1.000-10	UNS
1-12 OR 1.000-12	UNF
1-14 OR 1.000-14	UNS
1-16 OR 1.000-16	UN
1-18 OR 1.000-18	UNS
1-20 OR 1.000-20	UNEF
1-24 OR 1.000-24	UNS
1-27 OR 1.000-27	UNS
1-28 OR 1.000-28	UN
1-32 OR 1.000-32	UN
1-36 OR 1.000-36	UNS
1-40 OR 1.000-40	UNS
1 1/16-8 OR 1.0625-8	UN
1 1/16-12 OR 1.0625-12	UN
1 1/16-16 OR 1.0625-16	UN
1 1/16-18 OR 1.0625-18	UNEF
1 1/16-20 OR 1.0625-20	UN
1 1/16-28 OR 1.0625-28	UN
1 1/8-7 OR 1.125-7	UNC
1 1/8-8 OR 1.125-8	UN
1 1/8-10 OR 1.125-10	UNS
1 1/8-12 OR 1.125-12	UNF
1 1/8-14 OR 1.125-14	UNS
1 1/8-16 OR 1.125-16	UN
1 1/8-18 OR 1.125-18	UNEF
1 1/8-20 OR 1.125-20	UN
1 1/8-24 OR 1.125-24	UNS
1 1/8-28 OR 1.125-28	UN
1 3/16-8 OR 1.188-8	UN
1 3/16-12 OR 1.188-12	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
1 3/16-16 OR 1.188-16	UN
1 3/16-18 OR 1.188-18	UNEF
1 3/16-20 OR 1.188-20	UN
1 3/16-28 OR 1.188-28	UN
1 1/4-7 OR 1.250-7	UNC
1 1/4-8 OR 1.250-8	UN
1 1/4-10 OR 1.250-10	UNS
1 1/4-12 OR 1.250-12	UNF
1 1/4-14 OR 1.250-14	UNS
1 1/4-16 OR 1.250-16	UN
1 1/4-18 OR 1.250-18	UNEF
1 1/4-20 OR 1.250-20	UN
1 1/4-24 OR 1.250-24	UNS
1 1/4-28 OR 1.250-28	UN
1 5/16-8 OR 1.312-8	UN
1 5/16-12 OR 1.312-12	UN
1 5/16-16 OR 1.312-16	UN
1 5/16-18 OR 1.312-18	UNEF
1 5/16-20 OR 1.312-20	UN
1 5/16-28 OR 1.312-28	UN
1 3/8-6 OR 1.375-6	UNC
1 3/8-8 OR 1.375-8	UN
1 3/8-10 OR 1.375-10	UNS
1 3/8-12 OR 1.375-12	UNF
1 3/8-14 OR 1.375-14	UNS
1 3/8-16 OR 1.375-16	UN
1 3/8-18 OR 1.375-18	UNEF
1 3/8-20 OR 1.375-20	UN
1 3/8-24 OR 1.375-24	UNS
1 3/8-28 OR 1.375-28	UN
1 7/16-6 OR 1.4375-6	UN
1 7/16-8 OR 1.438-8	UN
1 7/16-12 OR 1.438-12	UN
1 7/16-16 OR 1.438-16	UN
1 7/16-18 OR 1.438-18	UNEF
1 7/16-20 OR 1.438-20	UN
1 7/16-28 OR 1.438-28	UN
1 1/2-6 OR 1.500-6	UNC
1 1/2-8 OR 1.500-8	UN
1 1/2-10 OR 1.500-10	UNS
1 1/2-12 OR 1.500-12	UNF
1 1/2-14 OR 1.500-14	UNS
1 1/2-16 OR 1.500-16	UN
1 1/2-18 OR 1.500-18	UNEF

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
1 1/2-20 OR 1.500-20	UN
1 1/2-24 OR 1.500-24	UNS
1 1/2-28 OR 1.500-28	UN
1 9/16-6 OR 1.562-6	UN
1 9/16-8 OR 1.562-8	UN
1 9/16-12 OR 1.562-12	UN
1 9/16-16 OR 1.562-16	UN
1 9/16-18 OR 1.562-18	UNEF
1 9/16-20 OR 1.562-20	UN
1 5/8-6 OR 1.625-6	UN
1 5/8-8 OR 1.625-8	UN
1 5/8-10 OR 1.625-10	UNS
1 5/8-12 OR 1.625-12	UN
1 5/8-14 OR 1.625-14	UNS
1 5/8-16 OR 1.625-16	UN
1 5/8-18 OR 1.625-18	UNEF
1 5/8-20 OR 1.625-20	UN
1 5/8-24 OR 1.625-24	UNS
1 11/16-6 OR 1.688-6	UN
1 11/16-8 OR 1.688-8	UN
1 11/16-12 OR 1.688-12	UN
1 11/16-16 OR 1.688-16	UN
1 11/16-18 OR 1.688-18	UNEF
1 11/16-20 OR 1.688-20	UN
1 3/4-5 OR 1.750-5	UNC
1 3/4-6 OR 1.750-6	UN
1 3/4-8 OR 1.750-8	UN
1 3/4-10 OR 1.750-10	UNS
1 3/4-12 OR 1.750-12	UN
1 3/4-14 OR 1.750-14	UNS
1 3/4-16 OR 1.750-16	UN
1 3/4-20 OR 1.750-20	UN
1 13/16-6 OR 1.812-6	UN
1 13/16-8 OR 1.812-8	UN
1 13/16-12 OR 1.812-12	UN
1 13/16-16 OR 1.812-16	UN
1 13/16-20 OR 1.812-20	UN
1 7/8-6 OR 1.875-6	UN
1 7/8-8 OR 1.875-8	UN
1 7/8-10 OR 1.875-10	UNS
1 7/8-12 OR 1.875-12	UN
1 7/8-14 OR 1.875-14	UNS
1 7/8-16 OR 1.875-16	UN
1 7/8-18 OR 1.875-18	UNS

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
1 7/8-20 OR 1.875-20	UN
1 15/16-6 OR 1.938-6	UN
1 15/16-8 OR 1.938-8	UN
1 15/16-12 OR 1.938-12	UN
1 15/16-16 OR 1.938-16	UN
1 15/16-20 OR 1.938-20	UN
2-4 1/2 OR 2.000-4.5	UNC
2-6 OR 2.000-6	UN
2-8 OR 2.000-8	UN
2-10 OR 2.000-10	UN
2-12 OR 2.000-12	UN
2-14 OR 2.000-14	UNS
2-16 OR 2.000-16	UN
2-18 OR 2.000-18	UNS
2-20 OR 2.000-20	UN
2 1/16-16 OR 2.062-16	UNS
2 1/8-6 OR 2.125-6	UN
2 1/8-8 OR 2.125-8	UN
2 1/8-12 OR 2.125-12	UN
2 1/8-16 OR 2.125-16	UN
2 1/8-20 OR 2.125-20	UN
2 3/16-16 OR 2.188-16	UNS
2 1/4-4 1/2 OR 2.250-4.5	UNC
2 1/4-6 OR 2.250-6	UN
2 1/4-8 OR 2.250-8	UN
2 1/4-10 OR 2.250-10	UNS
2 1/4-12 OR 2.250-12	UN
2 1/4-14 OR 2.250-14	UN
2 1/4-16 OR 2.250-16	UN
2 1/4-18 OR 2.250-18	UNS
2 1/4-20 OR 2.250-20	UN
2 5/16-16 OR 2.312-16	UNS
2 3/8-6 OR 2.375-6	UN
2 3/8-8 OR 2.375-8	UN
2 3/8-12 OR 2.375-12	UN
2 3/8-16 OR 2.375-16	UN
2 3/8-20 OR 2.375-20	UN
2 7/16-16 OR 2.438-16	UNS
2 1/2-4 OR 2.500-4	UNC
2 1/2-6 OR 2.500-6	UN
2 1/2-8 OR 2.500-8	UN
2 1/2-10 OR 2.500-10	UNS
2 1/2-12 OR 2.500-12	UN
2 1/2-14 OR 2.500-14	UNS

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
2 1/2-16 OR 2.500-16	UN
2 1/2-18 OR 2.500-18	UNS
2 1/2-20 OR 2.500-20	UN
2 5/8-6 OR 2.625-6	UN
2 5/8-8 OR 2.625-8	UN
2 5/8-12 OR 2.625-12	UN
2 5/8-16 OR 2.625-16	UN
2 5/8-20 OR 2.625-20	UN
2 3/4-4 OR 2.750-4	UNC
2 3/4-6 OR 2.750-6	UN
2 3/4-8 OR 2.750-8	UN
2 3/4-10 OR 2.750-10	UNS
2 3/4-12 OR 2.750-12	UN
2 3/4-14 OR 2.750-14	UNS
2 3/4-16 OR 2.750-16	UN
2 3/4-18 OR 2.750-18	UNS
2 3/4-20 OR 2.750-20	UN
2 7/8-6 OR 2.875-6	UN
2 7/8-8 OR 2.875-8	UN
2 7/8-12 OR 2.875-12	UN
2 7/8-16 OR 2.875-16	UN
2 7/8-20 OR 2.875-20	UN
3-4 OR 3.000-4	UNC
3-6 OR 3.000-6	UN
3-8 OR 3.000-8	UN
3-10 OR 3.000-10	UNS
3-12 OR 3.000-12	UN
3-14 OR 3.000-14	UNS
3-16 OR 3.000-16	UN
3-18 OR 3.000-18	UNS
3-20 OR 3.000-20	UN
3 1/8-6 OR 3.125-6	UN
3 1/8-8 OR 3.125-8	UN
3 1/8-12 OR 3.125-12	UN
3 1/8-16 OR 3.125-16	UN
3 1/4-4 OR 3.250-4	UNC
3 1/4-6 OR 3.250-6	UN
3 1/4-8 OR 3.250-8	UN
3 1/4-10 OR 3.250-10	UNS
3 1/4-12 OR 3.250-12	UN
3 1/4-14 OR 3.250-14	UNS
3 1/4-16 OR 3.250-16	UN
3 1/4-18 OR 3.250-18	UNS
3 3/8-6 OR 3.375-6	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
3 3/8-8 OR 3.375-8	UN
3 3/8-12 OR 3.375-12	UN
3 3/8-16 OR 3.375-16	UN
3 1/2-4 OR 3.500-4	UNC
3 1/2-6 OR 3.500-6	UN
3 1/2-8 OR 3.500-8	UN
3 1/2-10 OR 3.500-10	UNS
3 1/2-12 OR 3.500-12	UN
3 1/2-14 OR 3.500-14	UNS
3 1/2-16 OR 3.500-16	UN
3 1/2-18 OR 3.500-18	UNS
3 5/8-6 OR 3.625-6	UN
3 5/8-8 OR 3.625-8	UN
3 5/8-12 OR 3.625-12	UN
3 5/8-16 OR 3.625-16	UN
3 3/4-4 OR 3.750-4	UNC
3 3/4-6 OR 3.750-6	UN
3 3/4-8 OR 3.750-8	UN
3 3/4-10 OR 3.750-10	UNS
3 3/4-12 OR 3.750-12	UN
3 3/4-14 OR 3.750-14	UNS
3 3/4-16 OR 3.750-16	UN
3 3/4-18 OR 3.750-18	UNS
3 7/8-6 OR 3.875-6	UN
3 7/8-8 OR 3.875-8	UN
3 7/8-12 OR 3.875-12	UN
3 7/8-16 OR 3.875-16	UN
4-4 OR 4.000-4	UNC
4-6 OR 4.000-6	UN
4-8 OR 4.000-8	UN
4-10 OR 4.000-10	UNS
4-12 OR 4.000-12	UN
4-14 OR 4.000-14	UNS
4-16 OR 4.000-16	UN
4 1/8-4 OR 4.125-4	UN
4 1/8-12 OR 4.125-12	UN
4 1/8-16 OR 4.125-16	UN
4 1/4-4 OR 4.250-4	UN
4 1/4-6 OR 4.250-6	UN
4 1/4-10 OR 4.250-10	UNS
4 1/4-12 OR 4.250-12	UN
4 1/4-14 OR 4.250-14	UNS
4 1/4-16 OR 4.250-16	UN
4 3/8-6 OR 4.375-6	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
4 3/8-12 OR 4.375-12	UN
4 3/8-16 OR 4.375-16	UN
4 1/2-4 OR 4.500-4	UN
4 1/2-6 OR 4.500-6	UN
4 1/2-10 OR 4.500-10	UNS
4 1/2-12 OR 4.500-12	UN
4 1/2-14 OR 4.500-14	UNS
4 1/2-16 OR 4.500-16	UN
4 5/8-6 OR 4.625-6	UN
4 5/8-12 OR 4.625-12	UN
4 5/8-16 OR 4.625-16	UN
4 3/4-4 OR 4.750-4	UN
4 3/4-6 OR 4.750-6	UN
4 3/4-10 OR 4.750-10	UNS
4 3/4-12 OR 4.750-12	UN
4 3/4-14 OR 4.750-14	UNS
4 3/4-16 OR 4.750-16	UN
4 7/8-6 OR 4.875-6	UN
4 7/8-12 OR 4.875-12	UN
4 7/8-16 OR 4.875-16	UN
5-4 OR 5.000-4	UN
5-8 OR 5.000-8	UN
5-10 OR 5.000-10	UNS
5-12 OR 5.000-12	UN
5-14 OR 5.000-14	UNS
5-16 OR 5.000-16	UN
5 1/8-12 OR 5.125-12	UN
5 1/8-16 OR 5.125-16	UN
5 1/4-4 OR 5.250-4	UN
5 1/4-10 OR 5.250-10	UNS
5 1/4-12 OR 5.250-12	UN
5 1/4-14 OR 5.250-14	UNS
5 1/4-16 OR 5.250-16	UN
5 3/8-12 OR 5.375-12	UN
5 3/8-16 OR 5.375-16	UN
5 1/2-4 OR 5.500-4	UN
5 1/2-10 OR 5.500-10	UNS
5 1/2-12 OR 5.500-12	UN
5 1/2-14 OR 5.500-14	UNS
5 1/2-16 OR 5.500-16	UN
5 5/8-12 OR 5.625-12	UN
5 3/4-4 OR 5.750-4	UN
5 5/8-16 OR 5.625-16	UN
5 3/4-4 OR 5.750-4	UN

FIIG A120
APPENDIX C

<u>Nominal Size and Threads Per Inch</u>	<u>Thread Series</u>
5 3/4-10 OR 5.750-10	UNS
5 3/4-12 OR 5.750-12	UN
5 3/4-14 OR 5.750-14	UNS
5 3/4-16 OR 5.750-16	UN
5 7/8-12 OR 5.875-12	UN
5 7/8-16 OR 5.875-16	UN
6-4 OR 6.000-4	UN
6-10 OR 6.000-10	UNS
6-12 OR 6.000-12	UN
6-14 OR 6.000-14	UNS
6-16 OR 6.000-16	UN

INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

<u>Fraction of inch</u>	<u>INCHES</u>	0	1	2	3	4	5	6	7	8	9	10	11
0	0.000	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750	0.833	0.917	
1/16	.005	.089	.172	.255	.339	.422	.505	.589	.672	.755	.839	.922	
1/8	.010	.094	.177	.260	.344	.427	.510	.594	.677	.760	.844	.927	
3/16	.016	.099	.182	.266	.349	.432	.516	.599	.682	.766	.849	.932	
1/4	.021	.104	.188	.271	.354	.438	.521	.604	.688	.771	.854	.938	
5/16	.026	.109	.193	.276	.359	.443	.526	.609	.693	.776	.859	.943	
3/8	.031	.115	.198	.281	.365	.448	.531	.615	.698	.781	.865	.948	
7/16	.037	.120	.203	.287	.370	.453	.537	.620	.703	.787	.870	.953	
1/2	.042	.125	.208	.292	.375	.458	.542	.625	.708	.792	.875	.958	
9/16	.047	.130	.214	.297	.380	.464	.547	.630	.714	.797	.880	.964	
5/8	.052	.135	.219	.302	.385	.469	.552	.635	.719	.802	.885	.969	
11/16	.057	.141	.224	.307	.391	.474	.557	.641	.724	.807	.891	.974	
3/4	.063	.146	.229	.313	.396	.479	.563	.646	.729	.813	.896	.979	
13/16	.068	.151	.234	.318	.401	.484	.568	.651	.734	.818	.901	.984	
7/8	.073	.156	.240	.323	.406	.490	.573	.656	.740	.823	.906	.990	
15/16	.078	.162	.245	.328	.412	.495	.578	.662	.745	.828	.912	.995	

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

FIIG A120
APPENDIX C

<u>OUNCES</u>	<u>POUNDS</u>
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective September 4, 2009

Changed SAC for MRC AEJN to I/SAC, using all responses available from I/SAC table 0082